



VII International Scientific Conference  
**"Current and Future Challenges  
in Environmental Health, Toxicology, and Food Safety  
in Eastern and Central Europe"**  
**May 2 – 5, 2006**  
**Kyiv, Ukraine**

ORGANIZED BY  
**Ministry of Health of Ukraine**  
**L.I.Medved's Institute of Ecohygiene and Toxicology**  
**Ukrainian Toxicology Society**  
**NIEHS Superfund Basic Research Program**  
**University of North Carolina at Chapel Hill**  
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**L.I.Medved's Institute of Ecohygiene and Toxicology**  
**Ukrainian Toxicology Society**  
**Kyiv-2006**

**Meeting Location:**

L.I.Medved's Institute of Ecohygiene and Toxicology  
6 Heroiv Oborony Str.  
Kyiv, Ukraine  
[www.medved.Kyiv.ua](http://www.medved.Kyiv.ua)

**Conference Organizing Committee:**

**Mykola G. Prodanchuk** (L.I.Medved's Institute of Ecohygiene and Toxicology, Kyiv, Ukraine) – Chair  
**Ivan Rusyn** (University of North Carolina at Chapel Hill, USA) – Co-Chair  
**James A. Swenberg** (University of North Carolina at Chapel Hill, USA)  
**KC Donnelly** (Texas A&M University, USA)  
**Leonid I. Vlasysk** (Institute of Medical-Ecological Problems, Chernivsti, Ukraine)  
**Nadiya M. Nedopytanska** (L.I.Medved's Institute of Ecohygiene and Toxicology, Kyiv, Ukraine)

## CONFERENCE AGENDA

May 2, 2006 (Tuesday)

- 11 a.m. – 5 p.m.      **ARRIVALS AND REGISTRATION**  
Ukrainian House (Ukrainskyi Dim)  
2, Khreshchatyk Street  
Kyiv, Ukraine
- 5 p.m. – 6 p.m.      **WELCOMING REMARKS**  
**Mykola Prodanchuk**, Institute of Ecohygiene and Toxicology (Kyiv, Ukraine)  
**James Swenberg**, University of North Carolina (Chapel Hill, USA)  
**Arpad Somogyi**, The Toxicology Forum/EU (Brussels, Belgium)
- 6 p.m. – 6:30 p.m.      **KEYNOTE ADDRESS 1**  
**SUPERFUND BASIC RESEARCH PROGRAM: BASIC SCIENCE TO RISK ASSESSMENT-IMPACTING HUMAN HEALTH AND THE ENVIRONMENT**  
**William A. Suk**  
Director, Center for Risk and Integrated Sciences, National Institute of Environmental Health Sciences, Research Triangle Park, NC, USA
- 6:30 p.m. – 7 p.m.      **KEYNOTE ADDRESS 2**  
**ENVIRONMENTAL HEALTH PROBLEMS IN EASTERN AND CENTRAL EUROPE: REGIONAL AND GLOBAL STRESSORS**  
**Mykola Prodanchuk**  
Director, Institute of Ecohygiene and Toxicology, Kyiv, Ukraine
- 8 p.m. – 10 p.m.      **WELCOMING DINNER**  
on board of the ship "Marshal Koshevoi"  
Riverside Station  
Metro Station "Poshtova Ploscha"  
Kyiv, Ukraine

**May 3, 2006 (Wednesday)**

**All events of the day will be conducted on board of the ship "Marshal Koshevoi" cruising on Dnieper river**

**9 a.m. – 12 noon      SYMPOSIUM 1  
EVALUATION OF EXPOSURE AND EFFECTS OF ENVIRONMENTAL AGENTS:  
BIOMARKERS**

Symposium Chairs:

**Igor Pogribny**, National Center for Toxicological Research, Jefferson, AR, USA

**Leena A. Nylander-French**, Department of Environmental Sciences and Engineering, School of Public Health, University of North Carolina at Chapel Hill, USA

- 9:00 a.m.      **BIOMARKERS: CHALLENGES FOR CHEMICAL ANALYSIS**  
L.M. Ball, R. Sangaiah, K. Jayaraj, G. Boysen, A. Gold, W. Ye, K. M. Koshlap\* and T.-G. Nam  
Department of Environmental Sciences and Engineering, School of Public Health, and School of Pharmacy, University of North Carolina at Chapel Hill, Chapel Hill, USA
- 9:25 a.m.      **PRODUCTS OF OXIDATION AS MEASURABLE INDICATORS OF OXIDATIVE STRESS: VALIDATION OF BIOMARKERS FROM RODENT CCL4 AND OZONE EXPOSURE**  
Maria Kadiiska  
National Institute of Environmental Health Sciences/National Institutes of Health, Research Triangle Park, North Carolina, USA
- 9:50 a.m.      **DERMAL EXPOSURE: MOVING BEYOND QUALITATIVE ASSESSMENT**  
Leena A. Nylander-French  
Department of Environmental Sciences and Engineering, School of Public Health, University of North Carolina at Chapel Hill, USA
- 10:15 a.m.      **THE ROLE OF EPIGENETICS IN INITIAL CARCINOGENICITY ASSESSMENT**  
Igor Pogribny  
National Center for Toxicological Research, Jefferson, AR, USA
- 10:40 a.m.      **SERUM ALBUMIN ADDUCTS OF BENZENE OXIDE AND 1,4-BENZOQUINONE AS BIOMARKERS OF EXPOSURE TO BENZENE**  
Waidyanatha S(1), Yeowell-O'Connell K(1), Lin YS(1), Tsai CH(1), Rothman N(2), Lan Q(2), Qu Q(3), Smith MT(4), Zhang L(4), Li G(5), Yin, S(5) and Rappaport S  
(1)School of Public Health, University of North Carolina at Chapel Hill, USA, (2)Division of Cancer Epidemiology and Genetics, National Cancer Institute, USA, (3)Neslon Institute of Environmental Medicine, New York University School of Medicine, USA, (4)School of Public Health, University of California at Berkeley, USA, (5)Institute for Occupational Medicine, Beijing, China
- 11:05 a.m.      **CYCLIC N-TERMINAL HEMOGLOBIN ADDUCT IN HUMANS, RATS AND MICE EXPOSED TO BUTADIENE**  
N I Georgieva, G Boysen, J A Swenberg  
Department of Environmental Sciences and Engineering, University of North Carolina, Chapel Hill, NC, USA
- 11:20 a.m.      **ABUNDANT VAPOR-PHASE PAHS AND THEIR BIOMARKERS AS SURROGATE MEASURES OF TOTAL POLYCYCLIC AROMATIC HYDROCARBON EXPOSURE**  
Jon R. Sobus, Suramya Waidyanatha and Steven M. Rappaport  
Department of Environmental Sciences and Engineering, School of Public Health, University of North Carolina, USA
- 11:35 a.m.      **DIRECT-ACTING OXIDATIVE MUTAGENS IN PAH-CONTAMINATED SOIL FROM A HAZARDOUS WASTE SITE**  
Joanna Zielinska-Park and Michael D. Aitken  
Department of Environmental Sciences and Engineering, School of Public Health, University of North Carolina, Chapel Hill, USA

9 a.m. – 12 noon

**SYMPOSIUM 2  
REMEDiation OF HAZARDOUS WASTE SITES**

Symposium Chairs:

**Muzafar Isobaev**, Institute of Chemistry, Academy of Sciences of the Republic of Tajikistan, Tajik State Medical University, Dushanbe, Republic of Tajikistan

**Michael D. Aitken**, Department of Environmental Sciences and Engineering, School of Public Health, University of North Carolina at Chapel Hill, USA

9:00 a.m. BIODEGRADATION AND BIOREMEDIATION OF POLYCYCLIC AROMATIC HYDROCARBONS  
Michael D. Aitken  
Department of Environmental Sciences and Engineering, School of Public Health, University of North Carolina, Chapel Hill, North Carolina, USA

9:25 a.m. SYNTHESIS OF WATERSOLUBLE AND WATER SWELLING POLYMERS OF VINYLTRIMETHYLPYRIDONE IN THE MEDIA OF WATER AND THEIR SORPTION ABILITY RELATED TO ENDOTOXINES STUDY  
M.D. Isobaev, B.D. Khalikov, S.N. Hakimhodjaev  
Institute of Chemistry, Academy of Sciences of the Republic of Tajikistan, Tajik State Medical University, Dushanbe, Republic of Tajikistan

9:50 a.m. VEGETATED SOLUTIONS FOR NONPOINT SOURCE POLLUTION CONTROL  
Stacy L Hutchinson<sup>\*1</sup>, Reid Christianson<sup>1</sup>, Tim Keane<sup>2</sup>  
Biological and Agricultural Engineering, Landscape Architecture / Regional and Community Planning, Kansas State University, Manhattan, KS, USA

10:15 a.m. DEVELOPMENT OF CLAY-BASED SORBENT TECHNOLOGIES FOR THE CONTROL AND REMEDIATION OF ENVIRONMENTAL CONTAMINANTS IN FOOD AND GROUNDWATER  
Henry J. Huebner<sup>1</sup>, Melinda C. Wiles<sup>1</sup>, Evans Afriyie-Gyawu<sup>1</sup>, Bhagirathi Dash<sup>1</sup>, Thomas J. McDonald<sup>1,2</sup>, K. C. Donnelly<sup>1,2</sup>, and Timothy D. Phillips<sup>1</sup>  
<sup>1</sup>Department of Veterinary Integrative Biosciences, <sup>2</sup>Department of Environmental and Occupational Health, School of Rural Public Health, Texas A&M University System Health Science Center, College Station, TX, USA

10:40 a.m. THE COMPLEX FORMATION OF CALCIUM ION WITH THE MACROMOLECULARS OF PECTIN  
I.A. Korsakova, M.D. Khalikova, H.H. Avloev, Z.K. Muhuddinov, M.D. Isobaev  
Institute of Chemistry Academy of Sciences of the Republic of Tajikistan, Tajik State Medical University, Ainy 299/2, Dushanbe 734064, Republic of Tajikistan

11:05 a.m. PHYTOTECHNOLOGIES: INNOVATIVE METHODS TO CLEAN-UP OR STABILIZE ENVIRONMENTAL CONTAMINANTS USING VEGETATION  
P. Kulakow  
Department of Agronomy, Kansas State University, Manhattan, KS, USA

11:30 a.m. OPTIMIZING THE MANAGEMENT OF PHYTOREMEDIATION FOR THE HYDRAULIC CONTROL OF A GROUNDWATER PLUME  
L. Christianson, S. Hutchinson, C. Barden, M. Roberts, G. Clark, P. Kulakow  
Kansas State University, Manhattan, KS, USA

4 p.m. – 6:30 p.m.

**SYMPOSIUM 3  
EVALUATION OF EXPOSURE AND EFFECTS OF ENVIRONMENTAL AGENTS:  
RISK ASSESSMENT**

Symposium Chairs:

**Valentina Pidlisnyuk**, National Agricultural University of Ukraine; Institute of Agroecology, Kyiv, Ukraine

**Thomas McDonald**, Department of Environmental and Occupational Health, School of Rural Public Health, Texas A&M System Health Science Center, College Station, Texas, USA

- 4 p.m. PSYCHOSOCIAL RISK ASSESSMENT AND RISK MANAGEMENT IN ENVIRONMENTAL DECISION MAKING  
L. Lemyre<sup>1,2</sup>, D. Krewski<sup>2,3</sup>, R. Clarke<sup>3,4</sup>, W. Corneil<sup>2</sup>, M. Clement<sup>5</sup>, P. Boutette<sup>2</sup>, M. G. Tyshenko<sup>2</sup>, N. Karyakina<sup>2</sup>  
<sup>1</sup>School of Psychology, <sup>2</sup>McLaughlin Centre Institute of Population Health, <sup>3</sup>Department of Epidemiology and Community Medicine, University of Ottawa, ON; <sup>4</sup>Public Health Agency of Canada; <sup>5</sup>CanadianSponsors.com Inc., Ottawa, ON, Canada
- 4:25 p.m. CONTAMINANTS IN ENVIRONMENTAL SAMPLES FROM RESIDENTIAL AREAS IN SUMGAYIT, AZERBAIJAN  
McDonald, T.J., K.C. Donnelly, R.L. Autenrieth, J.L. Bickham, C. Matson, R. Lingenfelter and C. Naspinski  
Department of Environmental and Occupational Health, School of Rural Public Health, Texas A&M System Health Science Center, College Station, Texas, USA
- 4:50 p.m. PUBLIC ATTITUDE TO ENVIRONMENTAL PROBLEMS AND ENVIRONMENTAL HEALTH: CASE FROM POLTAVA, UKRAINE  
Valentina V.Pidlisnyuk, Tatyana R.Stefanovska, and Lidiya I.Moklyachuk\*  
National Agricultural University of Ukraine; Institute of Agroecology, Kyiv, Ukraine
- 5:15 p.m. STRUCTURE-TOXICITY RELATIONSHIP FOR NEONICOTINOIDES  
Prodanchuk, Mykola; Kravchuk, Oleksandr; Leposhkin, Igor; Nedopytanska Nadiya; Yermolova, Larysa  
Medved's Institute of Ecohygiene and Toxicology, Kyiv, Ukraine
- 5:40 p.m. IMPACT OF DISTANCE OF RESIDENCE OF MOTHERS FROM HAZARDOUS WASTE SITES(HWS) ON THE BIRTHWEIGHT OF THEIR NEWBORNS.A SLOVAKIAN PILOT STUDY  
Marek Majdan  
Trnava University, Faculty of Health and Social Work, Department of Hygiene and Epidemiology, Trnava, Slovak Republic
- 6:00 p.m. PREVALENCE OF CHRONIC CARDIOVASCULAR DISEASES IN A MINING AREA OF ROMANIA (ROSIA MONTANA)  
Neamtii I., Gurzau E.S., Coman A., Niciu E.M.  
Environmental Health Center, Cluj-Napoca; Institute of Public Health, Bucharest, Romania

4 p.m. – 6:30 p.m. **SYMPOSIUM 4**  
**TOXICOLOGICAL ASPECTS OF FOOD ADDITIVES AND DIETARY SUPPLEMENTS**

Symposium Chairs:

**Georgiy Prodanchuk**, G., L.I.Medved's Institute of ecohygiene and toxicology, Kyiv, Ukraine

**Bernhard Hennig**, Molecular and Cell Nutrition Laboratory, College of Agriculture and Graduate Center for Nutritional Sciences, University of Kentucky, Lexington, KY, USA

- 4:00 p.m. NUTRITIONAL MODULATION OF ENVIRONMENTAL TOXICITY  
Bernhard Hennig<sup>1,2</sup> and Michal Toborek<sup>2,3</sup>  
<sup>1</sup>Molecular and Cell Nutrition Laboratory, College of Agriculture, <sup>2</sup>Graduate Center for Nutritional Sciences, and <sup>3</sup>Department of Neurosurgery, University of Kentucky, Lexington, KY, USA
- 4:25 p.m. THE SAFETY ASSESSMENT OF FOOD DERIVED FROM BIOTECH CROPS  
Bruce Hammond  
Product Safety Center, Monsanto Company, USA
- 4:50 p.m. TRANSGENIC SOURCES OF FOOD: SITUATION IN UKRAINE AND IN THE WORLD. TRANSFORMATIONAL CONSTRUCTS AS AN OBJECT OF DETECTION  
V. Aristov, A. Sydorov, A. Krivenko  
Center of DNA technologies, L.I.Medved's Institute of ecohygiene and toxicology, Kyiv, Ukraine

- 5:15 p.m. OVERVIEW OF EU, US, RUSSIAN AND UKRAINIAN LEGISLATION ON GMO  
Prodanchuk G., Samilyak A.  
L.I.Medved's Institute of ecohygiene and toxicology, Kyiv, Ukraine
- 5:40 p.m. GENETICALLY MODIFIED MICROORGANISMS. THE METHODS OF DETECTION  
Demydonok O., Prodanchuk G., Aristov V.  
Center of DNA technologies, L.I.Medved's Institute of ecohygiene and toxicology, Kyiv, Ukraine
- 5:55 p.m. DIETARY FATTY ACIDS: NUTRITIONAL MODULATORS OF CANCER RISK  
Christine L. Powell<sup>1,2</sup>, Pamela K. Ross<sup>2</sup>, Oksana Kosyk<sup>2</sup>, Blair U. Bradford<sup>2</sup>, Robert Schoonhoven<sup>2</sup>,  
Gunnar Boysen<sup>2</sup>, James A. Swenberg<sup>1,2</sup>, and Ivan Rusyn<sup>1,2</sup>  
<sup>1</sup>Curriculum in Toxicology, <sup>2</sup>Department of Environmental Sciences and Engineering, University of  
North Carolina, Chapel Hill, NC, USA
- 6:10 p.m. GMO FOOD-STUFFS DETECTION  
Melnichuk M.D., Melnichuk S.D.  
National Agricultural University of Ukraine, Kyiv, Ukraine

7 p.m. – 8 p.m. **EVENING POSTER SESSION 1**

**EVALUATION OF EXPOSURE AND EFFECTS OF ENVIRONMENTAL AGENTS: BIOMARKERS**

METALS, METALLOTHIONEIN AND OXIDATIVE STRESS

M.B. Kadiiska, R.P.Mason, \*S. Nesnow, \*\*M. P. Waalkes, \*\*J. Liu.

NIEHS/NIH, \*USEPA, \*\*NCI /NIH, Research Triangle Park, North Carolina, USA.

BIOMARKERS OF URBAN AIR ASSOCIATED GENOTOXICITY

Radim J. Sram

Institute of Experimental Medicine AS CR and Health Institute of Central Bohemia, Prague, Czech Republic

**REMEDIATION OF HAZARDOUS WASTE SITES**

ENHANCED REMEDIATION OF DNAPL-CONTAMINATED SUBSURFACE ENVIRONMENTS

J.A. Pedit, D.N. Johnson, P.M. Sanderson, L.L. Murphy, P.S. Birak, and C.T. Miller

Department of Environmental Sciences and Engineering, School of Public Health, University of North  
Carolina at Chapel Hill, USA

USE OF WILD PLANTS FOR DETOXICATION CHLORORGANIC PESTICIDES IN SOIL

A.Nurzhanova<sup>1</sup>, P.Kulakow<sup>2</sup>, E.Rubin<sup>3</sup>, I.Rakhimbayev<sup>1</sup>, A.Sedlovskiy<sup>1</sup>, K.Zhambakin<sup>1</sup>, S.Kalugin<sup>1</sup>,  
L.Kalmykov<sup>4</sup>, L.Erickson<sup>2</sup>

<sup>1</sup>Institute of Plant Physiology, Genetics and Bioengineering, Almaty, Kazakhstan, <sup>2</sup>Kansas State University,  
Manhattan, KS, <sup>3</sup>Technology Innovation and Field Services Division, USEPA, Washington, DC, USA, <sup>4</sup>  
Biomedpreparat, Biomonitoring Laboratory, Stepnogorsk, Akmolinsk, Kazakhstan

**EVALUATION OF EXPOSURE AND EFFECTS OF ENVIRONMENTAL AGENTS: RISK ASSESSMENT**

METHODOLOGICAL APPROACHES TO ECOTOXIC COMPOUNDS IDENTIFICATION

M.Gertsyuk

L.I.Medved's Institute of Ecohygiene and Toxicology (ECOHYNTOX), Kyiv, Ukraine

TO THE PROBLEM OF HYGIENIC ASSESSMENT OF CLOTHES AND FOOTWEAR

Rozhkovska G.P.

L.I.Medved's Institute of Ecohygiene and Toxicology, Kyiv, Ukraine

TOXICITY OF POLYMERIC MATERIALS CONTAINED IN LUBRICATING MATERIALS

Rozhkovska G.P., Bobylivova O.O.

L.I.Medved's Institute of Ecohygiene and Toxicology, Kyiv, Ukraine

SOME PROBLEMS THAT REQUIRE SOLVING WHEN ASSESSING NEW MATERIALS CONTACTING  
FOOD PRODUCTS

Rozhkovska G.P.

L.I.Medved's Institute of Ecohygiene and Toxicology, Kyiv, Ukraine

#### ECOLOGICAL PROBLEMS OF CHEMICAL DEMILITARIZATION IN RUSSIA

Shulga V. Ya.<sup>1\*</sup>, Petrunin V.A.<sup>1</sup>, Obratsov N.V.<sup>1</sup>, Fokin E.A.<sup>1</sup>, Kazakov P.V.<sup>1</sup>, Stepanov A.A.<sup>1</sup>, Sofronov G.A.<sup>2</sup>

<sup>1</sup>Federal State Unitary Enterprise State Research Institute of organic chemistry and technology, Moscow, Russia; <sup>2</sup> Army Medical Academy, Moscow, Russia

#### ASSESSMENT OF THE LEVEL OF MIGRATION OF ORGANOCHLORINE PESTICIDES FROM THE PROHIBITED AND OBSOLETE PESTICIDES STORAGE PLACES INTO THE GROUND WATERS

Stratulat T., Volneanscaia A., Sircu R., Socoliuc P., Cobzaru O., Dingovscaia Z., Covric A.

National Center for Scientific and Applied Preventive Medicine, Republic of Moldova

#### IMPACT OF DIFFERENT CLASTOGENES ON THE TYPE OF CHROMOSOMAL ABERRATIONS MEASURED BY FISH

O. Beskid, A. Rossnerova, I. Solanský, R.J. Šrám

Institute of Experimental Medicine AS CR and Health Institute of Central Bohemia, Prague, Czech Republic

#### 'PROTECTIVE' FOODS FOR REDUCTION OF WATER AND FOOD PRODUCTS RADIONUCLIDE TOXICITY

I.N. Schevchenko, L.I.Medved's Institute of eco-hygiene and toxicology, Ministry of Health, Kyiv, Ukraine

#### USE OF ENDOTOXICOZUM PARAMETERS IN QUALITY PRESCRINING METHODS OF XENOBIOTICS EMBRYOLOGIC ACTION DETECTION

Kornuta N.A., Stahovich V.I., L.I.Medved's Ecohygiene and Toxicology Institute, Kyiv, Ukraine

#### DETERMINATION OF ACETALDEHYDE AND FORMALDEHYDE IN WATER AND MODEL ENVIRONMENTS WITH METHOD OF LIQUID-GAS CHROMATOGRAPHY

Kravchenko T.I., Lazorenko N.I., L.I.Medved's Ecohygiene and Toxicology Institute, Kyiv, Ukraine

### **TOXICOLOGICAL ASPECTS OF FOOD ADDITIVES AND DIETARY SUPPLEMENTS**

#### TRACEABILITY OF GMO-DERIVATIVES IN THE FOOD PRODUCTS: COMPARISON OF DIFFERENT DETECTION METHODS

Krivenko A., Samilyak A., Prodanchuk G., Institute of ecohygiene and toxicology, Kyiv, Ukraine

#### TO THE ESTIMATION OF DANGER OF AEROSOL INSECTICIDES AGAINST SYNANTHROPIC INSECTS

V. Voronina, S. Svetlyi

Medved's Institute of Ecohygiene and Toxicology, Kyiv, Ukraine

#### TOXICOLOGICAL-HYGIENIC CHARACTERISTICS OF A NUMBER OF RODENTICIDE AGENTS

V. Voronina

L.I.Medved's Institute of Ecohygiene and Toxicology, Kyiv, Ukraine

#### MICROBIOLOGICAL SAFETY OF THE FOODS - WHAT IS TO BE DONE

Kuzmynsky Sergiy

Medved's Institute for Ecohygiene and Toxicology, Kyiv, Ukraine

#### POSSIBILITY OF A DIETARY SUPPLEMENTS SIDE EFFECT CONCERNED WITH ENDOGENOUS SYNTHESIS OF FORMALDEHYDE

Dmitrenko M.P., Shandrenko S.G., Kishko T.O.

Medved's Institute of Ecohygiene and Toxicology, Kyiv, Ukraine

#### ADVERSE REACTIONS TO DIETARY SUPPLEMENTS

Danik L.M., Podrushnyak A.E.

Medved's Institute of Ecohygiene and Toxicology, Kyiv, Ukraine



THE SAFETY OF FOOD-STUFFS. TOXIC COEFFICIENTS OF ORGANOPHOSPHORUS AND  
CARBAMATES PESTICIDES  
V.D.Chmil, N.G.Prodanchuk, L.I.Medved's Institute of Ecohygiene and Toxicology, Kyiv, Ukraine

**May 4, 2006 (Thursday)**

**All events of the day will be conducted on board of the ship "Marshal Koshevoi" cruising on Dnieper river**

**9 a.m. – 12 noon      SYMPOSIUM 5 (PART 1)  
HEALTH EFFECTS: MODEL SYSTEMS AND ORGANISMS**

Symposium Chairs:

**David W. Threadgill**, Department of Genetics, University of North Carolina, Chapel Hill, NC USA

**Christophor Dishovsky**, Military Medical Academy, Sofia, Bulgaria

- 9:00 a.m.      STUDY ON OXIMES IN REVERSAL OF NEUROMUSKULAR BLOCK PRODUCED BY ORGANOPHOSPHORUS COMPOUNDS  
C. Dishovsky  
Military Medical Academy, Sofia, Bulgaria
- 9:25 a.m.      GENETIC VARIATION DETERMINES RESPONSE TO ALKYLATING AGENT EXPOSURE AS MODELED BY AZOXYMETHANE  
David W. Threadgill and Anika Bissahoyo  
Department of Genetics, Curriculum in Toxicology and Center for Environmental Health and Susceptibility, University of North Carolina, Chapel Hill, NC USA
- 9:50 a.m.      THE STATE OF SKIN IN THE CONDITIONS OF INFLUENCING OF NATURAL AND SYNTHETIC IRRITATING AGENTS  
M.A. Mokhort\*, O.E. Levchenko\*\*  
\*Research institute of pharmacology and toxicology of AMS of Ukraine,\*\*Ukrainian military medical academy, Kyiv, Ukraine
- 10:15 a.m.      ROLE OF CYTOCHROME P450 2E1 INDUCTION IN MALE REPRODUCTIVE TOXICITY IN RATS  
V. Kovalenko, N. Saprykina, T. Byshovetz  
Institute of Pharmacology and Toxicology, Academy of Medical Sciences of Ukraine, Kyiv, Ukraine
- 10:40 a.m.      TOXICOGENETIC ANALYSIS OF SUSCEPTIBILITY TO ACETAMINOPHEN HEPATOTOXICITY  
Al Hege<sup>1,2</sup>, PK Ross<sup>2</sup>, L Balletta<sup>3</sup>, S Su<sup>4</sup>, IM Stylianou<sup>5</sup>, BU Bradford<sup>2</sup>, G Boorman<sup>6</sup>, R Tennant<sup>6</sup>, M Bogue<sup>5</sup>, Kenneth Paigen<sup>5</sup>, T Wiltshire<sup>4</sup>, DW Threadgill<sup>1,3</sup>, and I Rusyn<sup>1,2</sup>  
<sup>1</sup>Curriculum in Toxicology, <sup>2</sup>Department of Environmental Sciences and Engineering, <sup>3</sup>Department of Genetics, University of North Carolina at Chapel Hill, USA; <sup>4</sup>Department of Mouse Genetics, Genomics Institute of the Novartis Research Foundation, San Diego, California, USA; <sup>5</sup>The Jackson Laboratory, Bar Harbor, Maine, USA; <sup>6</sup>National Institute of Environmental Health Sciences, Research Triangle Park, NC, USA
- 10:55 a.m.      INFLUENCE OF AMOSITE AND GLASS FIBRES ON THE SELECTED INFLAMMATORY AND CYTOTOXIC PARAMETERS OF BRONCHOALVEOLAR LAVAGE IN EXPERIMENT  
<sup>1</sup>Hurbankova, M., <sup>1</sup>Cerna S., <sup>2</sup>Gergelova, P., <sup>1</sup>Sulcova, M.  
<sup>1</sup>Slovak Medical University, Bratislava, <sup>2</sup>Trnava University, Faculty of Health Care and Social Work , Trnava, Slovak Republic
- 11:10 a.m.      EARLY-LIFE EXPOSURE TO DIETARY FAT AND AROMATIC HYDROCARBONS CAUSES METABOLIC SYNDROME, MORPHOLOGICAL CHANGES IN THE MAMMARY GLAND AND INDUCTION OF P450 PATHWAY IN DBA/2J MICE.  
La Merrill, M. A.<sup>1,2,3</sup>, Kuruvilla, B. S.<sup>3,4</sup>, D. W. Threadgill<sup>1,2,3</sup>  
<sup>1</sup>Center for Environmental Health and Susceptibility, <sup>2</sup>Curriculum in Toxicology, <sup>3</sup>Department of Genetics, <sup>4</sup>Department of Chemistry, University of North Carolina at Chapel Hill, USA

9 a.m. – 12 noon      **SYMPOSIUM 6 (PART 1)**  
**HEALTH EFFECTS: HUMAN STUDIES**

Symposium Chairs:

**James Swenberg**, Department of Environmental Sciences and Engineering, University of North Carolina, Chapel Hill, NC USA

**A. Epifantsev**, Military Medical Academy, St.-Petersburg, Russia

- 9:00 a.m.      GENOTOXICITY OF COMPLEX PAH MIXTURES IN ANIMALS AND HUMANS  
Donnelly, K.C., T.D. Phillips, L. Cizmas, G.D. Zhou, T.J. McDonald, R.L. Autenrieth, Z.S. Naufel, R. Lingenfelter and L.Y. He  
Department of Environmental and Occupational Health, School of Rural Public Health, Texas A&M University Health Science Center, College Station, TX, USA.
- 9:25 a.m.      MEDICAL CONSEQUENCES OF THE ENVIRONMENT CONTAMINATION WITH DIOXIN-CONTAINING HERBICIDES  
Epifantsev A.V., Pchelin I.J.  
Military Medical Academy, St.-Petersburg, Russia
- 9:50 a.m.      HAZARDOUS WASTE SITE CHEMICALS: POTENTIAL ROLE OF OXIDATIVE STRESS IN TOXICITY AND CARCINOGENICITY  
James A. Swenberg, Gunnar Boysen, Yo-Chan Jeong, April Luke, Eric Morinello, Amy Ham and Nigel Walker  
Departments of Environmental Sciences and Engineering and Pathology and Laboratory Medicine, and the Curriculum in Toxicology, University of North Carolina, Chapel Hill, and the National Institute of Environmental Health Sciences, Research Triangle Park, NC, USA
- 10:15 a.m.      THE EVALUATION OF DANGER OF MODULATING FUNCTION OF SEX HORMONES PESTICIDES FOR HUMAN  
E.A. Bagley, P.G. Zhminko, N.N. Nedopitanskaya, M.G. Prodanchuk  
Medved's Institute of Ecohygiene and Toxicology, Kyiv, Ukraine
- 10:40 a.m.      MEDICAL ASPECTS OF CHEMICAL TERRORISM: ANTIDOTES OF PHOSPHORORGANIC COMPOUNDS  
Kokshareva N.V., Prodanchuk M.G, Krivenchuk V.E., Zinovieva M.L. Tkach V.F.  
Medved's Institute of Ecohygiene and Toxicology, Kyiv, Ukraine
- 11:05 a.m.      DERMAL EXPOSURE TO JET FUEL JP-8 SIGNIFICANTLY CONTRIBUTES TO THE PRODUCTION OF URINARY NAPHTHOLS IN FUEL-CELL MAINTENANCE WORKERS  
Yi-Chun E. Chao<sup>1</sup>, Lawrence L. Kupper<sup>2</sup>, Berrin Serdar<sup>1</sup>, Peter P. Egeghy<sup>1</sup>, Stephen M. Rappaport<sup>1</sup>, and Leena A. Nylander-French<sup>1</sup>  
<sup>1</sup>Department of Environmental Sciences and Engineering and <sup>2</sup>Department of Biostatistics, School of Public Health, University of North Carolina at Chapel Hill, NC, USA
- 11:20 a.m.      HEALTH EDUCATION AS AN INTERVENTION TO REDUCE CHILDHOOD EXPOSURE TO PESTICIDES IN RURAL TEXAS COLONIAS  
Hart, Cynthia, Leslie Cizmas, N. Foreman, G. Castillo, L. Gamm, J. Burdine, Carmen Sumaya<sup>1</sup>, Melly Tamez<sup>1</sup>, Dana Barr<sup>2</sup>, Thomas McDonald and K.C. Donnelly  
School of Rural Public Health, Center for Environmental & Rural Health<sup>1</sup>, Texas A&M University, and Centers for Disease Control<sup>2</sup>, USA
- 11:35 a.m.      AIR POLLUTION - EXPOSURE TO PM2.5 FROM TRAFFIC  
Vlasta Svecova, Radim J.Sram  
Laboratory of Genetic Ecotoxicology, Institute of Experimental Medicine AS CR, Prague, Czech Republic

3 p.m. – 5:30 p.m.     **SYMPOSIUM 5 (PART 2)**  
**HEALTH EFFECTS: MODEL SYSTEMS AND ORGANISMS**

Symposium Chairs:

**Ivan Rusyn**, Department of Environmental Sciences & Engineering, University of North Carolina, Chapel Hill, USA  
**Nadiya Nedopytanska**, L.I.Medved Institute of Ecohygiene and Toxicology, Kyiv, Ukraine

- 3:00 p.m.     TOXICOLOGICAL EFFECTS AND HUMAN RISK ASSESSMENT OF NEW FUNGICIDE FENHEXAMID  
Lepeshkin, P.Zhminko, A. Kravchuk, N. Nedopytanska, A.Grynko, L. Yermolova, G.Zvarich, S.Yuschuk, G.Kravchenko  
L.I.Medved Institute of Ecohygiene and Toxicology (ECOHYNTOX), Kyiv, Ukraine
- 3:25 p.m.     NA<sup>+</sup>, K<sup>+</sup>-ATPASE ACTIVITY OF THE RAT HEPATOCYTE PLASMA MEMBRANE AFTER SUBCHRONIC INTRAGASTRIC INTRODUCING OF HERBICIDE 2,4-DICHLORO-PHENOXYACETIC ACID, PLANT GROWTH REGULATORS IVIN AND POTATIN  
Zelenyuk V.O., Yablonska S.V., Ostrovska G.V., Rybalchenko T.V., Filinska O.M.  
Taras Shevchenko Kyiv National University, Kyiv, Ukraine
- 3:50 p.m.     INFLUENCE OF SOME MEDICINES ON THE DYNAMICS OF ACTG AND CYCLIC NUCLEATIDES CHANGES UNDER ACUTE TOXIC LIVER DISEASE  
Vysotsky I.Y.  
Medical Faculty, Sumy State University, Sumy, Ukraine
- 4:15 p.m.     THE CHEMICAL AND ANALYTICAL ASPECTS OF POLYCHLORINATED DIBENZODIOXINS AND OTHERS PERSISTENTS ORGANIC POLLUTANTS  
N.G. Prodanchuk, V.D. Chmil  
Medved's Institute of Ecohygiene and Toxicology, Kyiv, Ukraine
- 4:40 p.m.     IN VITRO GENOTOXICITY OF PAH MIXTURES AND ORGANIC EXTRACT FROM URBAN AIR PARTICLES  
O. Sevastyanova<sup>1</sup>, B. Binkova<sup>1</sup>, J.Topinka<sup>1</sup>, I. Kalina<sup>2</sup>, T.Popov<sup>3</sup>, Z. Suchankova<sup>1</sup>, P.B. Farmer<sup>4</sup>, R.J. Sram<sup>1</sup>  
1.Institute of Experimental Medicine AS CR and Health Institute of Central Bohemia, Prague, Czech Republic; 2. University PJ Safarik, Kosice, Slovak Republic; 3.National Centre of Hygiene, Sofia, Bulgaria; 4. Biocentre, University of Leicester, UK
- 4:55 p.m.     ROLE OF NUCLEAR-RECEPTOR INDEPENDENT MECHANISMS IN LONG-TERM EFFECTS OF NON-GENOTOXIC HEPATOCARCINOGENS  
C.G. Woods<sup>1</sup>, A.M. Burns<sup>1</sup>, A. Maki<sup>1</sup>, B.U. Bradford<sup>1</sup>, M.L Cunningham<sup>2</sup>, M.B. Kadiiska<sup>3</sup>, R.P. Mason<sup>3</sup>, A. M. Burns<sup>4</sup>, J. M. Peters<sup>4</sup>, and I. Rusyn<sup>1</sup>  
<sup>1</sup>Dept. of Environmental Sciences and Engineering, UNC, Chapel Hill, NC; <sup>2</sup>NCT and NTP, and <sup>3</sup>Laboratory of Pharmacology and Chemistry, NIEHS, Research Triangle Park, NC; <sup>4</sup>Dept. of Veterinary and Biomedical Sciences, PSU, State College, PA, USA

3 p.m. – 5:30 p.m.     **SYMPOSIUM 6 (PART 2)**  
**HEALTH EFFECTS: HUMAN STUDIES**

Symposium Chairs:

**Michal Toborek**, Molecular Neuroscience and Vascular Biology Laboratory, Department of Surgery, University of Kentucky, Lexington, USA  
**Ainash Sharshenova**, Scientific and Productive Centre for Preventive Medicine, Bishkek, Kyrgyz Republic

- 3:00 p.m.     DIOXINS INTOXICATION IN HUMANS: THEORETICAL BASES OF THE TREATMENT  
Epifantsev A.V., Pchelin I.J.  
Military Medical Academy, St.-Petersburg, Russia
- 3:25 p.m.     STUDY OF THE QUALITY OF FOOD-PRODUCTS AND THE STATE OF HEALTH OF THE POPULATION OF THE ISYKKOL REGION, KYRGYZSTAN

A.A. Sharshenova<sup>1</sup>, O.T.Kasymov<sup>1</sup>, M.K. Esenamanova<sup>1</sup>, E.J. Majikova<sup>1</sup>, M. Maignan<sup>2</sup>,  
A.-L.Zufferey<sup>2</sup>, M.J.Kudayarova<sup>1</sup>

<sup>1</sup>Scientific and Productive Centre for Preventive Medicine, Bishkek, Kyrgyz Republic; <sup>2</sup>Institute of Mineralogy and Petrography Geostatistics, University of Lausanne, Switzerland

- 3:50 p.m. REDOX-REGULATED MECHANISMS OF *ORTHO*-CHLORINATED PCB-INDUCED TRANS-ENDOTHELIAL MIGRATION OF TUMOR CELLS  
Michal Toborek<sup>1</sup> and Bernhard Hennig<sup>2</sup>  
<sup>1</sup>Molecular Neuroscience and Vascular Biology Laboratory, Department of Surgery and <sup>2</sup>Molecular and Cell Nutrition Laboratory, College of Agriculture, University of Kentucky, Lexington, KY, USA
- 4:15 p.m. THE ROLE OF THE HAZARDOUS FACTORS STATE REGISTRATION UNDER CARRYING OUT THE SOCIAL & HYGIENIC MONITORING, ASSESSMENT AND MANAGEMENT OF RISK  
O. Kravchuk, N. Potyomkina, N.Nemtseva, T.Revutsky  
Hygienic Regulation Committee of Public Health Ministry of Ukraine, Kyiv, Ukraine
- 4:40 p.m. SYSTEMIC PRINCIPLE OF REGULATION IN A MODEL XENOBIOTIC-ENVIRONMENT-HUMAN  
Y.Spinu, Y.Chayka  
L.I.Medved's Institute of Ecohygiene and Toxicology (ECOHYNTOX), Kyiv, Ukraine
- 5:05 p.m. MEASUREMENT OF EXPOSURE TO COMPLEX MIXTURES OF POLYCYCLIC AROMATIC HYDROCARBONS IN HUMAN POPULATIONS  
Lingenfelter, Rebecca<sup>1</sup>; Naufal, Ziad<sup>1</sup>; Cizmas, Leslie<sup>1</sup>; Naspinski, Christine<sup>1</sup>; He, Ling-Yu<sup>1</sup>; Zhou, Guo-Dong<sup>1</sup>; McDonald, Thomas<sup>1</sup>; Denoux, Guy<sup>1</sup>; Autenrieth, Robin<sup>1</sup>; Mekhtiev, Arif<sup>3</sup>; Islamzadeh, Arif<sup>2</sup>; Donnelly, Kirby<sup>1</sup>  
Texas A&M University, College Station, TX, USA.; <sup>2</sup>Institute of Physiology n.a. A.I.Karaev, Baku, Azerbaijan; <sup>3</sup>Sumgayit Centre For Environmental Rehabilitation, Sumgayit, Azerbaijan
- 5:20 p.m. EFFECTS OF ARSENIC EXPOSURE FROM DRINKING WATER ON RESPIRATORY ILLNESSES IN A BANGLADESH POPULATION  
Faruque Parvez<sup>1\*</sup>, Paul W. Brnadt-Rauf<sup>1</sup>, Yu Chen<sup>2</sup>, Alfred Bernard<sup>3</sup>, Vesna Slavkovich<sup>1</sup>, Joseph H. Graziano<sup>1</sup>, and Habibul Ahsan<sup>2</sup>  
<sup>1</sup>Department of Environmental Health Science and <sup>2</sup>Department of Epidemiology, Mailman School of Public Health, Columbia University, New York, USA; Unit of Industrial Toxicology and Occupational Medicine, Department of Public Health, Catholic University of Louvain, Brussels, Belgium

## 7 p.m. – 8 p.m. **EVENING POSTER SESSION 2**

### **HEALTH EFFECTS: MODEL SYSTEMS AND ORGANISMS**

USE OF THE EXPRESS-METHOD AS AN ALTERNATIVE TO ANIMAL EXPERIMENTATION FOR PROGNOS OF TOXICITY

Levitskaya V.N., Kharchenko T.F., Kharchenko O.A.

L.I.Medved's Institute of Ecohygiene and Toxicology, Kyiv, Ukraine

SUBCHRONIC ORAL TOXICITY OF METHSULPHURON-METHYL FOR WISTAR RATS

Avramenko V.G., Zhminko P.G., Perehrestenko V.A., Ovcharenko V.I., Nadtochy O.P., Veris T.N.

Medved's Institute of Ecohygiene and Toxicology, Kyiv, Ukraine

FORECASTING OF PROFESSIONAL FUNCTIONABILITY IN DANGEROUS AND EMERGENCIES

I.Khudetskiy, V.Voronenko, Ukrainian military medical academy, Kyiv, Ukraine

THE PLANT GROWTH REGULATORS INFLUENCE ON THE LIVER MICROCIRCULATION. COMPARISON OF INDIVIDUAL AND SIMULTANEOUS ACTION

Karpezo N.O., Rybalchenko V.K., Ostrovska G.V., Gurniak O.M., Tsyvinska S.N.

Taras Shevchenko National University, Kyiv, Ukraine

COMPARABLE STUDY OF SODIUM SUCCINATE HEPATOPROTECTIVE EFFECTS UNDER 2,4-D AND  
IVIN ACTION

Linchack O.V., Karpezo N.O., Ostrovska G.V., Rybalchenko V.K.  
Taras Shevchenko Kyiv National University, Ukraine

STUDY OF ONCOGENIC AND CYTOTOXIC EFFECT OF CARBENDAZIM IN RATS

V.Lisovska, E.Bagliy  
Medved's Institute of Ecohygiene and Toxicology, Kyiv, Ukraine

EFFECT OF IMIDAKLOPRID ON ANIMAL BEHAVIOR REACTIONS

V.A. Perehrestenko  
L.I. Medved's Institute of Ecohygiene and Toxicology, Kyiv, Ukraine

METHODICAL APPROACHES TO THE ESTIMATION OF HARMFUL ACTION OF CHEMICAL  
SUBSTANCES ON THE NERVOUS SYSTEM

Perehrestenko V.A., Zhminko P.G.  
L.I. Medved's Institute of Ecohygiene and Toxicology, Kyiv, Ukraine

EFFECT OF CARBOXYNE ON HAEMATO-LOGICAL PARAMETERS OF RATS

Z. Podzerey, V. Shulyak  
Medved's Institute of Ecohygiene and Toxicology, Kyiv, Ukraine

MORPHOLOGICAL CHANGES OF RAT NASAL CAVITY INDUCED BY ACETOCHLOR

Olena Reshavska  
Medved's Institute of Ecohygiene and Toxicology, Kyiv, Ukraine

MUTAGENICITY STUDIES OF METHSULFORON METHYL

T. Senchenko, I. Boltina, O. Tkachuk  
Medved's Institute of Ecohygiene and Toxicology, Kyiv, Ukraine

INFLUENCE OF TETRAN ON GROWTH OF INFUSORIANS POPULATION TETRAHYMENA  
PYRIFORMIS W

O.P. Zhminko  
Medved's Institute of Ecohygiene and Toxicology, Kyiv, Ukraine

THE HEMOCARBOPERFUSION AS PREVENTION OF THE DELAYED NEUROPATHY, CAUSED BY  
ORGANOPHOSPHOROUS COMPOUNDS

P.G.Zhminko<sup>1</sup>, V.N.Korol<sup>2</sup>  
<sup>1</sup>L.I. Medved's Institute of Ecohygiene and Toxicology, Kyiv, Ukraine, <sup>2</sup>National Medical University, Kyiv,  
Ukraine

DETERMINATION OF THE FUNCTIONAL PROPERTIES OF THE BIOLOGICALLY ACTIVE  
DETOXICANT MAGNESIUM-PECTIN COMPLEX (IN VITRO) ON ALTERNATIVE MODELS

A.N.Stroy, O.O.Hudaikulova  
L.I. Medved's Institute of Ecohygiene and Toxicology, Kyiv, Ukraine

EXPRESS-METHOD OF THE DETERMINATION OF COMPLEXING ABILITY OF AMIDOPECTIN -  
DETOXICANT

A.N.Stroy, O.O.Hudaikulova, N.V.Gladkaya, E.V.Khruschiova  
L.I. Medved's Institute of Ecohygiene and Toxicology, Kyiv, Ukraine

**HEALTH EFFECTS: HUMAN STUDIES**

TO PROBLEM OF THE COMBINED ACTION OF PESTICIDES

Avramenko V.G.  
Medved's Institute of Ecohygiene and Toxicology, Kyiv, Ukraine

CLINICAL AND HYGIENIC ASPECTS OF RISK PROGNOSIS OF DEVELOPMENT OF CHRONIC  
PESTICIDES INTOXICATIONS OF AGRICULTURAL WORKERS

G.Balan, A.Ivanova, S.Ivanova

L.I.Medved's Ecohygiene and Toxicology Institute, Kyiv, Ukraine

#### PROTEOMIC AND PATTERNS OF ENDOTOXEMIA MANIFESTATIONS

B.S. Sheyman, O.I. Osadchaya, N.A. Voloshina, O.S. Boyarina  
L.I.Medved's Institute of Ecohygiene and Toxicology, Kyiv, Ukraine

#### USE OF AUTOHEMOPERFUSION OF UV-IRRADIATED BLOOD FOR THE TREATMENT OF CHRONIC DERMATOSIS

<sup>1</sup>V.N. Korol, <sup>1</sup>V.G. Kolyadenko, <sup>2</sup>P.G. Zhminko, <sup>1</sup>S.V. Ivanov, <sup>1</sup>N.M. Shupenko, <sup>2</sup>N.V. Kirilenko  
<sup>1</sup>National Medical University, Kyiv, Ukraine, <sup>2</sup>L.I.Medved's Institute of Ecohygiene and Toxicology, Kyiv, Ukraine

#### HOUSEHOLD CLEANERS. SAFETY FOR HUMAN HEALTH AND ENVIRONMENT

O. Bobyliova, V.Gerasimova, S. Snoz, V. Shilina  
Medved's Institute of Ecohygiene and Toxicology, Ministry of Health, Kyiv, Ukraine

#### THE PECULIARITIES OF CHILDREN'S MORBIDITY DURING FIRST YEAR OF LIFE IN DEPENDENCE ON SEX IN INDUSTRIAL REGION

V. F. Bogoyavlenskaya, A. V. Kharlamova, Ye. G. Bichevaya, P. S. Bazovkin, A.A. Azyma, Ye. F. Pavlichenko  
Ukrainian Research Institute of Industrial Medicine, Krivoy Rog, Ukraine

#### INFLUENCE OF CHEMICAL SUBSTANCES ON HEALTH OF THE POPULATION: APPROACHES TO ESTABLISHMENT OF THE RELATIONSHIPS OF CAUSE AND EFFECT

A.N. Grebenyuk, J.I. Musijchuk  
Military Medical Academy, St.-Petersburg, Russia

#### EFFECT OF DIOXIN AND DIOXIN-LIKE COMPOUND ON REPRODUCTIVE SYSTEM

Gunkov S. V., Voznuk V.V., Babich V.A., Babich S.V., Gladkaya N.V.  
L.I.Medved's Institute of Ecohygiene and Toxicology, Kyiv, Ukraine

#### MEDICAL ASPECTS OF CHEMICAL TERRORISM: ANTIDOTES OF PHOSPHORORGANIC COMPOUNDS

Kokshareva N.V., Prodanchuk M.G, Krivenchuk V.E., Zinovieva M.L. Tkach V.F.  
Medved's Institute of Ecohygiene and Toxicology, Kyiv, Ukraine

#### INFLUENCE OF MOTHER MULNURITION IN OVER SALT CONDITION ON FORMATION OF DIGESTION FUNCTION IN OFFSPRING

L.S. Kuchkarova, B.A. Sodikov, N.A. Ergashev, G.A. Dustmatova, D.T. Sidikov  
Institute of physiology and biophysics, Academy of Sciences, Tashkent, Republic of Uzbekistan

#### TOXICOLOGICAL EVALUATION OF HAZARD LIMIT FOR ORGANISM ACUTE INTOXICATION BY CARBON MONOXIDE

Shulga V. Ya.<sup>1\*</sup>, Obraztsov N.V.<sup>1</sup>, Stepanov A.A.<sup>1</sup>, Sofronov G.A.<sup>2</sup>  
<sup>1</sup>Federal State Unitary Enterprise State Research Institute of organic chemistry and technology, Moscow, Russia; <sup>2</sup> Army Medical Academy, Moscow, Russia

#### MEDICAL PREPARATIONS AS ENVIRONMENTAL RISK FOR HUMAN

Y.V.Bardik\*, O.O.Bobulova, L.I. Povyakel  
Institute of Pharmacology and Toxicology, Academy of Medical Sciences of Ukraine, Kyiv\*, L.I.Medved's Ecohygiene and Toxicology Institute, Ministry of Health, Kyiv, Ukraine

#### FEATURES OF CLINIC AND PATHOGENESIS OF TMTD CHRONIC INTOXICATION

Yurchenko I.V., Yurchenko E.M.  
L.I.Medved's Ecohygiene and Toxicology Institute, Kyiv, Ukraine

ADDRESSING THE ISSUE OF ESTIMATION OF THE LEVEL OF HAZARD OF THE NEW INSECTICIDAL  
MEANS USED IN MEDICAL EXTERMINATION OF INSECTS

Svetly S.S., Lyubinskaya L.A.

L.I.Medved's Institute of Ecohygiene and Toxicology, Kyiv, Ukraine

COMPARATIVE ESTIMATION OF ALLERGEN ACTION OF PREPARATIONS ON METHSULFURON-  
METHYL BASIS

P. Zhminko, N. Kirilenko, V. Gerasimenko

L.I. Medved's Institute of ecohygiene and toxicology, Kyiv, Ukraine

THE SANITARY LEGISLATION IN UKRAINE IN THE SPHERE OF TOBACCO CONTROL

A.A.Podrushnyak, A.N.Stroy, O.O.Hudaikulova, V.V.Lemeschuk, N.V.Gladkaya, E.V.Khrushchova

L.I. Medved's Institute of Ecohygiene and Toxicology, Kyiv, Ukraine

THE HYGIENIC PROBLEMS OF USING THE INTENSIVE SWEETENERS IN HUMAN CONSUMPTION

O.V.Tsapko, A.E.Podrushnyak, Z.L.Voloshchenko, T.A.Shchutskaya

L.I.Medved Institute of Ecohygiene and Toxicology, Kyiv, Ukraine

ALTERNATIVES OF DANGEROUS WASTE HANDLING

L.I. Povyakel, Y.I. Loboda, I.M. Vershelis

L.I.Medved's Ecohygiene and Toxicology Institute, Kyiv, Ukraine



**May 5, 2006 (Friday)**

**All events of the morning session will be conducted on board of the ship "Marshal Koshevoi,"  
Riverside Station, Metro Station "Poshtova Ploscha," Kyiv, Ukraine**

9 a.m. – 10 a.m.      **SUMMARY OF THE SYMPOSIA AND POSTER SESSIONS**

Presented by the Chairs of each session (6 × 10 min)

10 a.m. – 12 a.m.      **PANEL DISCUSSION  
SIMILARITIES AND DIFFERENCES BETWEEN THE US/EU AND  
EASTERN/CENTRAL EUROPE IN CURRENT AND FUTURE CHALLENGES IN  
ENVIRONMENTAL HEALTH AND PROTECTION: CHARTING THE PATH  
FORWARD FOR THE ADVANCEMENT OF BASIC SCIENCE**

**Moderators:**

Mykola Prodanchuk, Institute of Ecohygiene and Toxicology, Kyiv, Ukraine

Ivan Rusyn, University of North Carolina, Chapel Hill, USA

Arpad Somogyi, The Toxicology Forum/EU, Brussels, Belgium

Natalya Shulga, University Kyiv-Mohyla Academy, Kyiv, Ukraine